United States Patent [19]

Williams et al.

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[54] **PROCESS FOR PREPARING ACYLPYRAZINE ETHERS**

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Related U.S. Application Data

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[51] **Int. Cl.**[4] **C07D 241/16; C07D 241/18; C07D 405/12**

[52] **U.S. Cl.** **544/405; 131/278; 544/406**

[58] **Field of Search** 544/405, 406; 131/278

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,677,686	5/1954	Smith et al.	131/278
3,402,051	9/1968	Roberts	131/278
4,535,791	8/1985	Williams et al.	131/278
4,728,738	3/1988	Williams et al.	544/405

FOREIGN PATENT DOCUMENTS

119718	9/1984	European Pat. Off.	131/278
148788	7/1985	European Pat. Off.	

OTHER PUBLICATIONS

Karmas et al., J.A.C.S., vol. 74 (1952), pp. 1580–1584.
March, Advanced Org. Chem., 3rd Ed., p. 645.
Solomons et al., Org. Chem., 3rd Ed., pp. 671–672.
Williams et al., Chem. Abst., vol. 103 (1985), 157636e.

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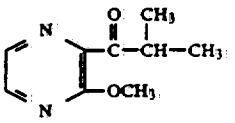
[57] **ABSTRACT**

In one of its embodiments the present invention provides a smoking composition which contains a novel type of acylpyrazine ether flavorant additive as exemplified by 1-(3-methoxy-2-pyrazinyl)-2-methyl-1-propanone.



6 Claims, No Drawings

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